

ABSTRACT:

The invention relates to a method for reading out the image points of a two-dimensional electronic image sensor, the image being subdivided into at least two different regions (2, 3) and the region of greater interest ROI (2) being read at a scanning rate which is higher than that used for the other region (3). Consequently, the region of interest (2) can be reproduced with a higher temporal resolution while making optimum use of the limited processing capacities. Preferably, the sensitivity of the reading unit is adapted in conformity with the scanning rate of a relevant image point so as to take into account the fact that image points that are read out less frequently collect a light intensity over a prolonged period of time and hence may reach high signal strengths. Regions that are less frequently read out can also be irradiated with a lower radiation intensity by applying appropriate masking. The method is very suitable for the imaging of time-critical processes in medical X-ray applications.

Fig. 1